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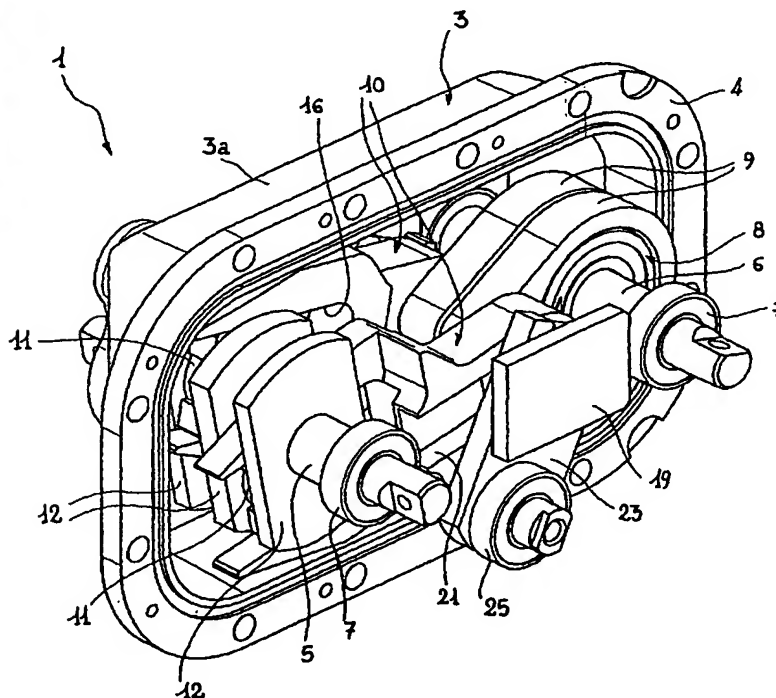
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[Continued on next page]

(54) Title: A GEARBOX, PARTICULARLY FOR TRANSMISSION SYSTEMS IN DEVICES FOR METERING GRANULAR MATERIALS



(57) Abstract: A gearbox, particularly for transmission systems in devices (2) for metering granular and/or materials in powder form, comprises a pair of shafts, that is, a drive-input shaft (5) and a drive-output shaft (6), respectively, there being provided on the output shaft (6) at least one pair of coaxial freewheels (8), on each of which an end of a respective linkage (10) carrying a movable fulcrum means is active. The opposite end of each linkage (10) is driven with a reciprocating oscillatory motion about the fulcrum means by means of an eccentric device provided on the drive-input shaft (5) in order to convert the reciprocating oscillatory motion into an intermittent rotary motion of each freewheel (8) and consequently to bring about a rotary motion of the drive-output shaft (6) in a preselected direction of rotation. The drive-input shaft (5) comprises at least one pair of cranks with eccentric pins (11) and each linkage (10) comprises a respective element (13) substantially similar to a connecting rod having a

first end (13a) connected kinematically to the corresponding freewheel (8) and a second, opposite end (13b) articulated on the respective pin (11) of the crankshaft (5) with a capability for rotary/translation movement relative to the pin (11).

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16H A01C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 844 522 C (HEINRICH GENSHEIMER & SOEHNE M) 21 July 1952 (1952-07-21) page 2, line 54,55 page 2, line 104 -page 3, line 8; figures 1,2	1-4,7,9
Y A	---	5,6,8 14,15
X	DE 855 030 C (GUSTAVE SCHMITT;MATHIEU VAN ROGGEN SPRIMONT BE) 10 November 1952 (1952-11-10) page 1, line 1-9 page 2, line 118 -page 3, line 45; figures 1-3	1-9
Y A	---	5,6,8 14,15
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☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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